

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.12**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000344**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 09-Oct-2007**Location:** Changxing Island, Shanghai, China

Submittals(New / Total): **CWR's:** 0 / 4 **HSR's:** 0 / 3 **NCR's:** 0 / 10

Item	Title	Detail
1	Major component movement	<p>77m Tower Mock-up: Welding Connection Plates on Skin Plate Stiffeners.</p> <p>89m Tower Mock-up: Welding Skin Plates butt welds.</p> <p>114m Tower Mock-up: No welding observed.</p>
2	Meetings attended	<p>QA met with ABF and ZPMC at 1400 to discuss the schedule for the next three days:</p> <p>77m Tower Mock-up: Skin A awaiting CWR for 3rd time repair, Installing Connection Plates on Skin Plate D Diaphragms pending new flange plates from Wuxi Boiler.</p> <p>89m Tower Mock-up: Welding Skin Plate butt joints</p> <p>114m Tower Mock-up: Skin Plate Stiffeners awaiting proposal to reduce repair rate.</p>
3	Key conversations	<p>Caltrans met with ABF and ZPMC at 1300 to discuss issues related to fabrication:</p> <p>ZPMC would like to be 2nd set of check sampling.</p> <p>Caltrans, ABF and ZPMC scheduled a meeting for tomorrow to discuss the upcoming Closed-rib weld trial at 9am.</p> <p>ZPMC informed Caltrans that the forming of the 25mm flanges for the 89m (Type 2) diaphragm will take place at ZPMC.</p> <p>ZPMC asked ABF about the following various submittals: rolled shapes pending review by ABF, 11 CWR's pending review by ABF, 2nd batch of grain size samples ready for ABF to verify, and 3rd batch of CVN samples for rolled shapes ready.</p> <p>Caltrans asked to be notified of all cracks as stated in the WQCP. QA</p>

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observed repairs taking place on cracked tacks without being notified.

Caltrans identified an issue with UT scanning from the "C" face not taking place until after repairs based upon the A and B face indications were repaired. All "C" face scans to date have identified defects that were found or repaired. This leads to additional repair cycles. ABF informed Caltrans that they have also identified this as being an issue and have discussed with ZPMC. ZPMC will begin performed the "C" face scan during their initial UT.

Preliminary results of the stiffener welding trial conducted this weekend still show a greater than 20% reject rate. ABF and ZPMC are investigating other welding techniques to minimize the extent of repairs.

4	Other important observations	ABF Fabrication Manager David Williams called QA and informed him that fabrication of the OBG bottom and side plates will begin Monday, October 15th.
5	Quality Assurance Inspectors per shift	4 Day Shift (Acuna, Brannon, Franco, Viars) 2 Swing Shift (Berger, Dixon) 1 Graveyard Shift (Hasler)
6	Logistics	Due to a Typhoon, Day shift did not go to the island until the 0900 ferry.

Inspected By: McClary, David

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer
